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<input type="checkbox"/>	L3	RERMS or SMRER or RSAER or RER	459
<input type="checkbox"/>	L2	memory adj formation	223
<input type="checkbox"/>	L1	memory adj form\$	8678

END OF SEARCH HISTORY

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A transgenic animal in which GSK-3.beta. protein is over-expressed is useful as a model for neurodegenerative disease.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 5 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2003:238371 USPATFULL

TITLE: Polypeptides and their uses

INVENTOR(S): Mileusnic, Radmila, Milton Keynes, UNITED KINGDOM
Russell Rose, Steven Peter, Milton Keynes, UNITED
KINGDOM

NUMBER KIND DATE

PATENT INFORMATION: US 2003166529 A1 20030904
APPLICATION INFO.: US 2001-998491 A1 20011130 (9)

NUMBER DATE

PRIORITY INFORMATION: GB 2001-9558 20010418
GB 2001-20084 20010817

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: DRINKER BIDDLE & REATH, ONE LOGAN SQUARE, 18TH AND
CHERRY STREETS, PHILADELPHIA, PA, 19103-6996

NUMBER OF CLAIMS: 35

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 7 Drawing Page(s)

LINE COUNT: 1091

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides compounds having formulae comprising

X.sub.1-Ser-Met-Arg-Glu-Arg-X.sub.2

in which X.sub.1 and X.sub.2 are up to 30 amino acid residues and the formula represents a reverse-order sequence corresponding to amino acid residues 332 to 328 of human APP and from zero to 30 successive amino acid residues of human APP extending in each direction therefrom. The invention also provides the pentapeptide Ser-Met-Arg-Glu-Arg, corresponding to residues 332 to 328 of human amyloid precursor protein in reverse order, and the tripeptide Arg-Glu-Arg which corresponds residues 328 to 330 of human amyloid precursor protein, the tripeptide and pentapeptide being provided as pharmaceutical compositions. The invention further provides conjugates of the foregoing compounds which can cross the blood-brain barrier and pharmaceutical compositions containing such conjugates. The compounds and compositions of the invention are believed to be useful in the treatment of Alzheimer's disease and as cognitive enhancers and appropriate methods of medical treatment are disclosed.

on 28 Aug 2002, PENDING Division of Ser. No. US
2001-795691, filed on 28 Feb 2001, GRANTED, Pat. No. US
6465230 Continuation-in-part of Ser. No. US
2002-105992, filed on 25 Mar 2002, PENDING Continuation
of Ser. No. US 1999-406045, filed on 27 Sep 1999,
GRANTED, Pat. No. US 6451994 Continuation-in-part of
Ser. No. US 2002-314881, filed on 9 Dec 2002, PENDING
Continuation of Ser. No. US 2001-773426, filed on 31
Jan 2001, GRANTED, Pat. No. US 6534302
Continuation-in-part of Ser. No. US 2000-495823, filed
on 31 Jan 2000, PENDING Continuation-in-part of Ser.
No. US 2000-692785, filed on 20 Oct 2000, PENDING
Continuation-in-part of Ser. No. US 2002-284014, filed
on 30 Oct 2002, PENDING Continuation-in-part of Ser.
No. US 2002-284059, filed on 30 Oct 2002, PENDING

NUMBER DATE

PRIORITY INFORMATION: US 2000-185517P 20000228 (60)

US 1999-161188P 19991022 (60)

US 2001-335003P 20011031 (60)

US 2001-335037P 20011031 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: Jean M. Silveri, Millennium Pharmaceuticals, Inc., 75
Sidney Street, Cambridge, MA, 02139

NUMBER OF CLAIMS: 18

EXEMPLARY CLAIM: 1

LINE COUNT: 24534

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides isolated nucleic acids molecules and proteins,
designated 27411, 23413, 22438, 23553, 25278, 26212, NARC SC1, NARC 10A,
NARC 1, NARC 12, NARC 13, NARC 17, NARC 25, NARC 3, NARC 4, NARC 7, NARC
8, NARC 11, NARC 14A, NARC 15, NARC 16, NARC 19, NARC 20, NARC 26, NARC
27, NARC 28, NARC 30, NARC 5, NARC 6, NARC 9, NARC 10C, NARC 8B, NARC 9,
NARC2A, NARC 16B, NARC 1C, NARC 1A, NARC 25, 86604 and 32222 nucleic
acid molecules and proteins. The invention also provides antisense
nucleic acid molecules, recombinant expression vectors containing said
nucleic acid molecules, host cells into which the expression vectors
have been introduced, nonhuman transgenic animals in which a said genes
have been introduced or disrupted, fusion proteins, antigenic peptides
and antibodies to said proteins. Diagnostic and therapeutic methods
utilizing compositions of the invention are also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 4 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2003:252719 USPATFULL

TITLE: Model for neurodegenerative disease

INVENTOR(S): Hernandez Perez, Felix, Madrid, SPAIN

De Grado, Jesus Avila, Madrid, SPAIN

Lozano, Jose Javier Lucas, Madrid, SPAIN

NUMBER KIND DATE

PATENT INFORMATION: US 2003177510 A1 20030918

APPLICATION INFO.: US 2003-276460 A1 20030519 (10)

WO 2001-GB2218 20010518

NUMBER DATE

PRIORITY INFORMATION: GB 2000-12056 20000518

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: Fish & Richardson, 225 Franklin Street, Boston, MA,
02110-2804

NUMBER OF CLAIMS: 9

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 7 Drawing Page(s)

LINE COUNT: 1173

Spytek, Kimberly A., New Haven, CT, UNITED STATES
Boldog, Ferenc L., North Haven, CT, UNITED STATES
Li, Li, Branford, CT, UNITED STATES
Padigaru, Muralidhara, Branford, CT, UNITED STATES
Mishra, Vishnu, Gainesville, FL, UNITED STATES
Patturajan, Meera, Branford, CT, UNITED STATES
Shenoy, Suresh G., Branford, CT, UNITED STATES
Rastelli, Luca, Guilford, CT, UNITED STATES
Tchernev, Velizar T., Branford, CT, UNITED STATES
Vernet, Corine A.M., Branford, CT, UNITED STATES
Zerhusen, Bryan D., Branford, CT, UNITED STATES
Malyankar, Uriel M., Branford, CT, UNITED STATES
Guo, Xiaojia, Branford, CT, UNITED STATES
Miller, Charles E., Guilford, CT, UNITED STATES
Gangolli, Esha A., Madison, CT, UNITED STATES

NUMBER KIND DATE

PATENT INFORMATION: US 2004029116 A1 20040212
APPLICATION INFO.: US 2002-87684 A1 20020301 (10)

NUMBER DATE

PRIORITY INFORMATION: US 2001-313656P 20010820 (60)
US 2001-274194P 20010308 (60)
US 2001-327456P 20011005 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: Ivor R. Elrifi, Mintz, Levin, Cohn, Glovsky and Popeo,
P.C., One Financial Center, Boston, MA, 02111

NUMBER OF CLAIMS: 49

EXEMPLARY CLAIM: 1

LINE COUNT: 15489

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed herein are nucleic acid sequences that encode novel polypeptides. Also disclosed are polypeptides encoded by these nucleic acid sequences, and antibodies, which immunospecifically-bind to the polypeptide, as well as derivatives, variants, mutants, or fragments of the aforementioned polypeptide, polynucleotide, or antibody. The invention further discloses therapeutic, diagnostic and research methods for diagnosis, treatment, and prevention of disorders involving any one of these novel human nucleic acids and proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 3 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2004:13033 USPATFULL

TITLE: Novel 27411, 23413, 22438, 23553, 25278, 26212, NARC SC1, NARC 10A, NARC 1, NARC 12, NARC 13, NARC17, NARC 25, NARC 3, NARC 4, NARC 7, NARC 8, NARC 11, NARC 14A, NARC 15, NARC 16, NARC 19, NARC 20, NARC 26, NARC 27, NARC 28, NARC 30, NARC 5, NARC 6, NARC 9, NARC 10C, NARC 8B, NARC 9, NARC2A, NARC 16B, NARC 1C, NARC1A, NARC 25, 86604 and 32222 molecules and uses therefor

INVENTOR(S): Glucksmann, Maria A., Lexington, MA, UNITED STATES
Williamson, Mark J., Saugus, MA, UNITED STATES

Tsai, Fong-Ying, Newton, MA, UNITED STATES
Rudolph-Owen, Laura A., Medford, MA, UNITED STATES
Kapeller-Libermann, Rosanna, Chestnut Hill, MA, UNITED STATES

Meyers, Rachel E., Newton, MA, UNITED STATES
Chiang, Lillian Wei-Ming, Edison, NJ, UNITED STATES
Hunter, John Joseph, Somerville, MA, UNITED STATES

PATENT ASSIGNEE(S): Millennium Pharmaceuticals, Inc. (U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 2004009553 A1 20040115
APPLICATION INFO.: US 2003-426776 A1 20030430 (10)
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2002-229662, filed

Alsobrook, John P., II, Madison, CT, UNITED STATES
Lepley, Denise M., Branford, CT, UNITED STATES
Rieger, Danier K., Branford, CT, UNITED STATES
Burgess, Catherine E., Wethersfield, CT, UNITED STATES
Casman, Stacie J., North Haven, CT, UNITED STATES
Spytek, Kimberly A., New Haven, CT, UNITED STATES
Boldog, Ference L., North Haven, CT, UNITED STATES
Li, Li, Branford, CT, UNITED STATES
Padigaru, Muralidhara, Branford, CT, UNITED STATES
Mishra, Vishnu, Gainesville, FL, UNITED STATES
Patturajan, Meera, Branford, CT, UNITED STATES
Shenoy, Suresh G., Branford, CT, UNITED STATES
Rastelli, Luca, Guilford, CT, UNITED STATES
Tchernev, Velizar T., Branford, CT, UNITED STATES
Vernet, Corine A.M., Branford, CT, UNITED STATES
Zerhusen, Bryan D., Branford, CT, UNITED STATES
Malyankar, Uriel M., Branford, CT, UNITED STATES
Guo, Xiaojia (Sasha), Branford, CT, UNITED STATES
Miller, Charles E., Guilford, CT, UNITED STATES
Gangolli, Esha A., Madison, CT, UNITED STATES
Grosse, Michael, UNITED STATES LR

NUMBER KIND DATE

PATENT INFORMATION: US 2004029222 A1 20040212
APPLICATION INFO.: US 2002-218779 A1 20020814 (10)
RELATED APPLN. INFO.: Continuation of Ser. No. US 2001-995514, filed on 28
Nov 2001, ABANDONED

NUMBER DATE

PRIORITY INFORMATION: US 2000-253834P 20001129 (60)
US 2000-250926P 20001130 (60)
US 2001-264180P 20010125 (60)
US 2001-313656P 20010820 (60)
US 2001-327456P 20011005 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: MINTZ, LEVIN, COHN, FERRIS,, GLOVSKY AND POPEO, P.C.,
One Financial Center, Boston, MA, 02111

NUMBER OF CLAIMS: 49

EXEMPLARY CLAIM: 1

LINE COUNT: 15385

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed herein are nucleic acid sequences that encode novel polypeptides. Also disclosed are polypeptides encoded by these nucleic acid sequences, and antibodies, which immunospecifically-bind to the polypeptide, as well as derivatives, variants, mutants, or fragments of the aforementioned polypeptide, polynucleotide, or antibody. The invention further discloses therapeutic, diagnostic and research methods for diagnosis, treatment, and prevention of disorders involving any one of these novel human nucleic acids and proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 2 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2004:38577 USPATFULL

TITLE: Proteins and nucleic acids encoding same

INVENTOR(S): Edinger, Shlomit R., New Haven, CT, UNITED STATES
MacDougall, John R., Hamden, CT, UNITED STATES
Millet, Isabelle, Milford, CT, UNITED STATES
Ellerman, Karen, Branford, CT, UNITED STATES
Stone, David J., Guilford, CT, UNITED STATES
Gerlach, Valerie, Branford, CT, UNITED STATES
Grosse, William M., Branford, CT, UNITED STATES
Alsobrook, John P., II, Madison, CT, UNITED STATES
Lepley, Denise M., Branford, CT, UNITED STATES
Rieger, Daniel K., Branford, CT, UNITED STATES
Burgess, Catherine E., Wethersfield, CT, UNITED STATES
Casman, Stacie J., North Haven, CT, UNITED STATES

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L1 0 MEMORY (W) FORMATION OR MEMORY (W) ENHANCING

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L2 6492 MEMORY (W) FORMATION OR MEMORY (W) ENHANCING

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L3 8592 RERMS OR SMRER OR RSAER OR RER

=> s l2 and l3

L4 5 L2 AND L3

=> duplicate remove l4

PROCESSING COMPLETED FOR L4

L5 5 DUPLICATE REMOVE L4 (0 DUPLICATES REMOVED)

=> d l5 1- ibib, abs

YOU HAVE REQUESTED DATA FROM 5 ANSWERS - CONTINUE? Y/(N):y

L5 ANSWER 1 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2004:38683 USPATFULL

TITLE: Proteins and nucleic acids encoding same

INVENTOR(S): Edinger, Shlomit R., New Haven, CT, UNITED STATES

MacDougall, John R., Hamden, CT, UNITED STATES

Millet, Isabelle, Milford, CT, UNITED STATES

Ellerman, Karen, Branford, CT, UNITED STATES

Stone, David J., Guilford, CT, UNITED STATES

Gerlach, Valerie, Branford, CT, UNITED STATES

Grosse, William M., Branford, CT, UNITED STATES

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contain indexing from 1907 to the
present

NEWS 4 DEC 08 INPADOC: Legal Status
data reloaded

NEWS 5 SEP 29 DISSABS now available
on STN

NEWS 6 OCT 10 PCTFULL: Two new
display fields added

NEWS 7 OCT 21 BIOSIS file reloaded
and enhanced

NEWS 8 OCT 28 BIOSIS file segment of
TOXCENTER reloaded and enhanced

NEWS 9 NOV 24 MSDS-CCOHS file
reloaded

NEWS 10 DEC 08 CABA reloaded with
left truncation

NEWS 11 DEC 08 IMS file names
changed

NEWS 12 DEC 09 Experimental property
data collected by CAS now available
in REGISTRY

NEWS 13 DEC 09 STN Entry Date
available for display in REGISTRY and
CA/CAPLUS

NEWS 14 DEC 17 DGENE: Two new
display fields added

NEWS 15 DEC 18 BIOTECHNO no longer
updated

NEWS 16 DEC 19 CROPU no longer
updated; subscriber discount no longer
available

NEWS 17 DEC 22 Additional INPI
reactions and pre-1907 documents added to
CAS

databases

NEWS 18 DEC 22 IFIPAT/IFIUDB/IFICDB
reloaded with new data and search fields

NEWS 19 DEC 22 ABI-INFORM now
available on STN

NEWS 20 JAN 27 Source of Registration
(SR) information in REGISTRY updated
and searchable

NEWS 21 JAN 27 A new search aid, the
Company Name Thesaurus, available in
CA/CAPLUS

NEWS 22 FEB 05 German (DE)
application and patent publication number
format

changes

NEWS 23 MAR 03 MEDLINE and
LMEDLINE reloaded

NEWS 24 MAR 03 MEDLINE file segment
of TOXCENTER reloaded

NEWS 25 MAR 03 FRANCEPAT now
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NEWS EXPRESS MARCH 5 CURRENT
WINDOWS VERSION IS V7.00A,
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IS DATED 3 MARCH 2004

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ON 15 MAR 2004
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=> s ser-met-arg-glu-arg or SMRER
L1 523 SER-MET-ARG-GLU-ARG OR
SMRER

=> s memory (w) formation or memory (w)
enhancing or neuronal (w) growth or
neuronal (W) survival

L2 20640 MEMORY (W) FORMATION
OR MEMORY (W) ENHANCING OR
NEURONAL (W)
GROWTH OR NEURONAL (W)
SURVIVAL

=> s l1 and l2
L3 29 L1 AND L2

=> duplicate remove l3
PROCESSING COMPLETED FOR L3
L4 29 DUPLICATE REMOVE L3 (0
DUPLICATES REMOVED)

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YOU HAVE REQUESTED DATA FROM 29
ANSWERS - CONTINUE? Y/(N):y

L4 ANSWER 1 OF 29 USPATFULL on
STN
ACCESSION NUMBER: 2004:63786
USPATFULL
TITLE: 95 human secreted
proteins
INVENTOR(S): Ruben, Steven M.,
Brookeville, MD, UNITED STATES
Ni, Jian, Germantown, MD,
UNITED STATES
Rosen, Craig A., Laytonsville,
MD, UNITED STATES
Yu, Guo-Liang, Berkeley, CA,
UNITED STATES
Young, Paul, Gaithersburg,
MD, UNITED STATES
Feng, Ping, Germantown,
MD, UNITED STATES
Soppet, Daniel R.,
Centreville, VA, UNITED STATES
Wei, Ying-Fei, Berkeley, CA,
UNITED STATES
Endress, Gregory A.,
Florence, MA, UNITED STATES
Duan, Roxanne,
Gaithersburg, MD, UNITED STATES
Kyaw, Hla, Boonsboro, MD,
UNITED STATES
Ebner, Reinhard,
Gaithersburg, MD, UNITED STATES
LaFleur, David W.,
Washington, DC, UNITED STATES
Olsen, Henrik, Gaithersburg,
MD, UNITED STATES
Shi, Yanggu, Gaithersburg,
MD, UNITED STATES
Moore, Paul A.,
Germantown, MD, UNITED STATES

PATENT ASSIGNEE(S): Human Genome
Sciences, Inc., Rockville, MD, UNITED
STATES (U.S. corporation)

DATE	NUMBER	KIND
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PATENT INFORMATION: US		
2004048304	A1	20040311
APPLICATION INFO.: US 2003-653595		
A1 20030903 (10)		
RELATED APPLN. INFO.: Continuation of		
Ser. No. US 1999-397945, filed on 17		
Sep 1999, PENDING		
Continuation-in-part of Ser. No. WO		
1999-US5804, filed on 18		
Mar 1999, PENDING		

NUMBER	DATE
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PRIORITY INFORMATION: US 1998-
78566P 19980319 (60)

US 1998-78574P

19980319 (60)

US 1998-78576P

19980319 (60)

US 1998-78579P

19980319 (60)

US 1998-78563P

19980319 (60)

US 1998-78573P

19980319 (60)

US 1998-78578P

19980319 (60)

US 1998-78581P

19980319 (60)

US 1998-78577P

19980319 (60)

US 1998-80314P

19980401 (60)

US 1998-80312P

19980401 (60)

US 1998-80313P

19980401 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: HUMAN

GENOME SCIENCES INC, 9410 KEY

WEST AVENUE,

ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 24

EXEMPLARY CLAIM: 1

LINE COUNT: 24852

AB The present invention relates to novel
human secreted proteins and

isolated nucleic acids containing the
coding regions of the genes
encoding such proteins. Also provided
are vectors, host cells,
antibodies, and recombinant methods
for producing human secreted
proteins. The invention further relates to
diagnostic and therapeutic
methods useful for diagnosing and
treating disorders related to these
novel human secreted proteins.

L4 ANSWER 2 OF 29 USPATFULL on
STN

ACCESSION NUMBER: 2004:50848
USPATFULL

TITLE: 125 human secreted
proteins

INVENTOR(S): Rosen, Craig A.,
Laytonsville, MD, UNITED STATES

Feng, Ping, Germantown,
MD, UNITED STATES

Ruben, Steven M.,
Brookeville, MD, UNITED STATES

Ebner, Reinhard,
Gaithersburg, MD, UNITED STATES

Olsen, Henrik, Gaithersburg,
MD, UNITED STATES

Ni, Jian, Germantown, MD,
UNITED STATES

Wei, Ying-Fei, Berkeley, CA,
UNITED STATES

Soppet, Daniel R.,
Centreville, VA, UNITED STATES

Moore, Paul A.,
Germantown, MD, UNITED STATES

Kyaw, Hla, Boonsboro, MD,
UNITED STATES

LaFleur, David W.,
Washington, DC, UNITED STATES

Shi, Yanggu, Gaithersburg,
MD, UNITED STATES

Janat, Fouad, Westerly, RI,
UNITED STATES

Endress, Gregory A.,
Florence, MA, UNITED STATES

Carter, Kenneth C., North
Potomac, MD, UNITED STATES

Birse, Charles E., North
Potomac, MD, UNITED STATES

PATENT ASSIGNEE(S): Human Genome
Sciences, Inc., Rockville, MD, UNITED

STATES, 20850 (U.S.
corporation)

DATE	NUMBER	KIND
PATENT INFORMATION: US		
2004038277	A1	20040226
APPLICATION INFO.: US 2003-621401		
A1 20030718 (10)		
RELATED APPLN. INFO.: Continuation of		
Ser. No. US 2001-974879, filed on 12		
Oct 2001, PENDING		
Continuation-in-part of Ser. No. US		
2001-818683, filed on 28 Mar		
2001, PENDING Continuation		
of Ser. No. US 1999-305736,		
filed on 5 May 1999,		
PENDING Continuation-in-		
part of Ser. No. WO		
1998-US23435, filed on 4		
Nov 1998, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION: US 2000-		
239893P	20001013	(60)
	US 1997-64911P	
19971107	(60)	
	US 1997-64912P	
19971107	(60)	
	US 1997-64983P	
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	US 1997-64985P	
19971107	(60)	
	US 1997-66094P	
19971117	(60)	
	US 1997-66100P	
19971117	(60)	
	US 1997-66089P	
19971117	(60)	
	US 1997-66095P	
19971117	(60)	
	US 1997-66090P	
19971117	(60)	
DOCUMENT TYPE: Utility		
FILE SEGMENT: APPLICATION		

LEGAL REPRESENTATIVE: HUMAN
GENOME SCIENCES INC, 9410 KEY
WEST AVENUE,
ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 23
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 3 Drawing
Page(s)

LINE COUNT: 38927

AB The present invention relates to novel
human secreted proteins and
isolated nucleic acids containing the
coding regions of the genes
encoding such proteins. Also provided
are vectors, host cells,
antibodies, and recombinant methods
for producing human secreted
proteins. The invention further relates to
diagnostic and therapeutic
methods useful for diagnosing and
treating diseases, disorders, and/or
conditions related to these novel human
secreted proteins.

L4 ANSWER 3 OF 29 USPATFULL on
STN

ACCESSION NUMBER: 2004:44514
USPATFULL

TITLE: Polynucleotides encoding
novel human mitochondrial and
microsomal glycerol-3-
phosphate acyl-transferases and
variants thereof

INVENTOR(S): Farrelly, Dennis,
Monmouth Junction, NJ, UNITED STATES
Chen, Jian, Princeton, NJ,
UNITED STATES
Nelson, Thomas C.,
Lawrenceville, NJ, UNITED STATES
Feder, John N., Belle Mead,
NJ, UNITED STATES
Wu, Shujian, Langhorne, PA,
UNITED STATES
Bassolino, Donna A.,
Hamilton, NJ, UNITED STATES
Krystek, Stanley R., Ringoes,
NJ, UNITED STATES

DATE	NUMBER	KIND
PATENT INFORMATION: US		
2004033506	A1	20040219
APPLICATION INFO.: US 2002-308128		
A1 20021202 (10)		

NUMBER	DATE

PRIORITY INFORMATION: US 2001-334904P 20011130 (60)	
DOCUMENT TYPE: Utility	
FILE SEGMENT: APPLICATION	
LEGAL REPRESENTATIVE: STEPHEN B. DAVIS, BRISTOL-MYERS SQUIBB COMPANY, PATENT DEPARTMENT, P O BOX 4000, PRINCETON, NJ, 08543-4000	
NUMBER OF CLAIMS: 20	
EXEMPLARY CLAIM: 1	
NUMBER OF DRAWINGS: 37 Drawing Page(s)	
LINE COUNT: 28557	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.	
AB The present invention provides novel polynucleotides encoding Mitochondrial GPAT, Microsomal GPAT_hlog1, Microsomal GPAT_hlog2, Microsomal GPAT_hlog3, and/or Microsomal GPAT_hlog3_v1 polypeptides, fragments and homologues thereof. Also provided are vectors, host cells, antibodies, and recombinant and synthetic methods for producing said polypeptides. The invention further relates to diagnostic and therapeutic methods for applying these novel Mitochondrial GPAT, Microsomal GPAT_hlog1, Microsomal GPAT_hlog2, Microsomal GPAT_hlog3, and/or Microsomal GPAT_hlog3_v1 polypeptides to the diagnosis, treatment, and/or prevention of various diseases and/or disorders related to these polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of the polynucleotides and polypeptides of the present invention.	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.	
L4 ANSWER 4 OF 29 USPATFULL on STN	
ACCESSION NUMBER: 2003:330208 USPATFULL	
TITLE: Molecules interacting with CASL (MICAL)	

polynucleotides, polypeptides, and methods of using the same

INVENTOR(S): Kolodkin, Alex L., Baltimore, MD, UNITED STATES
Terman, Jon R., Baltimore, MD, UNITED STATES
Mao, Tiany, Parkville, MD, UNITED STATES
Pasterkamp, Ronald J., Baltimore, MD, UNITED STATES
Yu, Hung-Hsiang, Lynnwood, WA, UNITED STATES

DATE	NUMBER	KIND

PRIORITY INFORMATION: US 2003232419 A1 20031218		
APPLICATION INFO.: US 2003-359012 A1 20030204 (10)		

NUMBER	DATE

PRIORITY INFORMATION: US 2002-354178P 20020204 (60)	
US 2002-384302P	
20020530 (60)	
US 2002-388325P	
20020613 (60)	
DOCUMENT TYPE: Utility	
FILE SEGMENT: APPLICATION	
LEGAL REPRESENTATIVE: LISA A. HAILE, J.D., PH.D., GRAY CARY WARE & FREIDENRICH LLP, Suite 1100, 4365 Executive Drive, San Diego, CA, 92121-2133	
NUMBER OF CLAIMS: 153	
EXEMPLARY CLAIM: 1	
NUMBER OF DRAWINGS: 45 Drawing Page(s)	
LINE COUNT: 10590	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.	
AB The present invention provides MICAL and MICAL-Like polypeptides and polynucleotides. Also provided are methods that for identifying agents that affect axon growth and placement. Furthermore, provided herein are methods for affecting axon growth and placement.	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.	

L4 ANSWER 5 OF 29 USPATFULL on
STN
ACCESSION NUMBER: 2003:318706
USPATFULL
TITLE: Polynucleotide encoding a
novel TRP channel family
member, LTRPC3, and splice
variants thereof
INVENTOR(S): Lee, Ning, Belle
Mead, NJ, UNITED STATES
Chen, Jian, Princeton, NJ,
UNITED STATES
Feder, John N., Belle Mead,
NJ, UNITED STATES
Wu, Shujian, Langhorne, PA,
UNITED STATES
Lee, Liana M., Somerset, NJ,
UNITED STATES
Blanar, Michael A., Malvern,
PA, UNITED STATES
Bol, David, Gaithersburg,
MD, UNITED STATES
Levesque, Paul C., Yardley,
PA, UNITED STATES
Sun, Lucy, Newtown, PA,
UNITED STATES

NUMBER KIND
DATE

PATENT INFORMATION: US
2003224450 A1 20031204
APPLICATION INFO.: US 2003-405793
A1 20030328 (10)
RELATED APPLN. INFO.: Continuation-in-
part of Ser. No. US 2002-210152, filed
on 1 Aug 2002, PENDING

NUMBER DATE
PRIORITY INFORMATION: US 2001-
309544P 20010802 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: STEPHEN B.
DAVIS, BRISTOL-MYERS SQUIBB
COMPANY, PATENT
DEPARTMENT, P O BOX
4000, PRINCETON, NJ, 08543-4000
NUMBER OF CLAIMS: 26
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 53 Drawing
Page(s)
LINE COUNT: 23133
CAS INDEXING IS AVAILABLE FOR THIS
PATENT.

AB The present invention provides novel
polynucleotides encoding LTRPC3
polypeptides, fragments and
homologues thereof. The present invention
also provides polynucleotides encoding
variants and splice variants of
LTRPC3 polypeptides, LTRPC3b,
LTRPC3c, LTRPC3d, LTRPC3e, and
LTRPC3f,
respectively. Also provided are vectors,
host cells, antibodies, and
recombinant and synthetic methods for
producing said polypeptides. The
invention further relates to diagnostic
and therapeutic methods for
applying these novel LTRPC3,
LTRPC3b, LTRPC3c, LTRPC3d, LTRPC3e,
and
LTRPC3f polypeptides to the diagnosis,
treatment, and/or prevention of
various diseases and/or disorders
related to these polypeptides. The
invention further relates to screening
methods for identifying agonists
and antagonists of the polynucleotides
and polypeptides of the present
invention.

CAS INDEXING IS AVAILABLE FOR THIS
PATENT.

L4 ANSWER 6 OF 29 USPATFULL on
STN
ACCESSION NUMBER: 2003:312209
USPATFULL
TITLE: Novel 18607, 15603,
69318, 12303, 48000, 52920, 5433,
38554, 57301, 58324, 55063,
52991, 59914, 59921 and
33751 molecules and uses
therefor
INVENTOR(S): Glucksmann, Maria
A., Lexington, MA, UNITED STATES
Curtis, Rory A.J., Ashland,
MA, UNITED STATES
Lora, Jose M., Arlington, MA,
UNITED STATES
Galvin, Katherine M.,
Jamaica Plain, MA, UNITED STATES
Silos-Santiago, Inmaculada,
Del Mar, CA, UNITED STATES
PATENT ASSIGNEE(S): Millennium
Pharmaceuticals, Inc. (U.S. corporation)

NUMBER KIND
DATE

PATENT INFORMATION: US
2003219806 A1 20031127
APPLICATION INFO.: US 2003-391399
A1 20030318 (10)
RELATED APPLN. INFO.: Continuation-in-
part of Ser. No. US 2001-789481, filed
on 20 Feb 2001, PENDING
Continuation-in-part of Ser.
No. US 2000-634669, filed
on 8 Aug 2000, ABANDONED
Continuation-in-part of Ser.
No. US 2000-583373, filed
on 31 May 2000,
ABANDONED Continuation-in-part of Ser.
No. US 2000-510706, filed
on 22 Feb 2000, ABANDONED
Continuation-in-part of Ser.
No. US 2002-309804, filed
on 4 Dec 2002, PENDING
Continuation-in-part of Ser. No.
US 2002-94214, filed on 8
Mar 2002, PENDING
Continuation-in-part of Ser.
No. US 2001-828035, filed
on 6 Apr 2001,
ABANDONED Continuation-in-part of Ser.
No. US 2001-891762, filed
on 26 Jun 2001, PENDING
Continuation-in-part of Ser.
No. US 2002-245121, filed
on 17 Sep 2002, PENDING
Continuation-in-part of Ser.
No. US 2002-95139, filed on
11 Mar 2002, PENDING
Continuation-in-part of Ser.
No. US 2001-957683, filed
on 19 Sep 2001,
ABANDONED Continuation-in-part of Ser.
No. US 2001-942447, filed
on 29 Aug 2001, ABANDONED
Continuation-in-part of Ser.
No. US 2002-62937, filed
on 31 Jan 2002, PENDING
Continuation-in-part of Ser.
No. US 2002-255532, filed
on 26 Sep 2002, PENDING

NUMBER DATE

PRIORITY INFORMATION: US 2001-
336936P 20011204 (60)
US 2001-275078P
20010312 (60)
US 2000-195734P
20000407 (60)

US 2000-214176P
20000626 (60)
US 2001-322983P
20010917 (60)
US 2001-275172P
20010312 (60)
US 2000-233537P
20000919 (60)
US 2000-229036P
20000831 (60)
US 2001-267076P
20010201 (60)
US 2001-325854P
20010927 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Jean M.
Silveri, Millennium Pharmaceuticals, Inc., 75
Sidney Street, Cambridge,
MA, 02139
NUMBER OF CLAIMS: 19
EXEMPLARY CLAIM: 1
LINE COUNT: 19893
CAS INDEXING IS AVAILABLE FOR THIS
PATENT.
AB The invention provides isolated
nucleic acids molecules, designated
18607, 15603, 69318, 12303, 48000,
52920, 5433, 38554, 57301, 58324,
55063, 52991, 59914, 59921 and 33751
nucleic acid molecules. The
invention also provides antisense
nucleic acid molecules, recombinant
expression vectors containing 18607,
15603, 69318, 12303, 48000, 52920,
5433, 38554, 57301, 58324, 55063,
52991, 59914, 59921 and 33751 nucleic
acid molecules, host cells into which the
expression vectors have been
introduced, and nonhuman transgenic
animals in which a 18607, 15603,
69318, 12303, 48000, 52920, 5433,
38554, 57301, 58324, 55063, 52991,
59914, 59921 or 33751 gene has been
introduced or disrupted. The
invention still further provides isolated
18607, 15603, 69318, 12303,
48000, 52920, 5433, 38554, 57301,
58324, 55063, 52991, 59914, 59921 or
33751 proteins, fusion proteins,
antigenic peptides and anti-18607,
15603, 69318, 12303, 48000, 52920,
5433, 38554, 57301, 58324, 55063,
52991, 59914, 59921 or 33751
antibodies. Diagnostic and therapeutic

methods utilizing compositions of the invention are also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 7 OF 29 USPATFULL on STN

ACCESSION NUMBER: 2003:306020
USPATFULL

TITLE: Methods and compositions for treating hematological disorders using 131, 148, 199, 12303, 13906, 15513, 17822, 302, 5677, 194, 14393, 28059, 7366, 12212, 1981, 261, 12416, 270, 1410, 137, 1871, 13051, 1847, 1849, 15402, 340, 10217, 837, 1761, 8990 or 13249 molecules
INVENTOR(S): Carroll, Joseph M., Cambridge, MA, UNITED STATES

Healy, Aileen, Medford, MA, UNITED STATES

Weich, Nadine S., Brookline, MA, UNITED STATES

Kelly, Louise M., Brookline, MA, UNITED STATES

PATENT ASSIGNEE(S): Millennium Pharmaceuticals, Inc. (U.S. corporation)

DATE	NUMBER	KIND
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PATENT INFORMATION:	US
2003215452	A1 20031120
APPLICATION INFO.:	US 2003-352684
A1 20030128	(10)

NUMBER	DATE
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PRIORITY INFORMATION: US 2002-354333P 20020204 (60)

US 2002-360258P

20020228 (60)

US 2002-364476P

20020315 (60)

US 2002-375626P

20020426 (60)

US 2002-386494P

20020606 (60)

US 2002-390965P

20020624 (60)

US 2002-392480P

20020628 (60)

US 2002-394128P

20020703 (60)

US 2002-399783P

20020731 (60)

US 2002-403221P

20020813 (60)

US 2002-407045P

20020830 (60)

US 2002-429048P

20021125 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: Jean M.

Silveri, MILLENNIUM

PHARMACEUTICALS, INC., 75

Sidney Street, Cambridge,

MA, 02139

NUMBER OF CLAIMS: 13

EXEMPLARY CLAIM: 1

LINE COUNT: 11102

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to methods for the diagnosis and treatment of hematological disorders. Specifically, the present invention

identifies the differential expression of 131, 148, 199, 12303, 13906,

15513, 17822, 302, 5677, 194, 14393, 28059, 7366, 12212, 1981, 261,

12416, 270, 1410, 137, 1871, 13051, 1847, 1849, 15402, 340, 10217, 837,

1761, 8990 and 13249 genes in tissues relating to hematological

disorders sensation, relative to their expression in normal, or

non-hematological disorders disease states, and/or in response to

manipulations relevant to hematological disorders. The present invention

describes methods for the diagnostic evaluation and prognosis of various

hematological disorders, and for the identification of subjects

exhibiting a predisposition to such conditions. The invention also

provides methods for identifying a compound capable of modulating

hematological disorders. The present invention also provides methods for

the identification and therapeutic use of compounds as treatments of

hematological disorders.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 8 OF 29 USPATFULL on
STN
ACCESSION NUMBER: 2003:300249
USPATFULL
TITLE: 125 human secreted
proteins
INVENTOR(S): Feng, Ping,
Gaithersburg, MD, UNITED STATES
Ruben, Steven M., Olney,
MD, UNITED STATES
Rosen, Craig A., Laytonsville,
MD, UNITED STATES
Ebner, Reinhard,
Gaithersburg, MD, UNITED STATES
Olsen, Henrik S.,
Gaithersburg, MD, UNITED STATES
Ni, Jian, Rockville, MD,
UNITED STATES
Wei, Ying-Fei, Berkeley, CA,
UNITED STATES
Soppet, Daniel R.,
Centreville, VA, UNITED STATES
Moore, Paul A.,
Germantown, MD, UNITED STATES
Kyaw, Hla, Frederick, MD,
UNITED STATES
LaFleur, David W.,
Washington, DC, UNITED STATES
Shi, Yanggu, Gaithersburg,
MD, UNITED STATES
Janat, Fouad, Westerly, RI,
UNITED STATES
Endress, Gregory A.,
Potomac, MD, UNITED STATES
Carter, Kenneth C., North
Potomac, MD, UNITED STATES

DATE	NUMBER	KIND
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PATENT INFORMATION: US	
2003211472	A1 20031113
APPLICATION INFO.: US 2001-818683	
A1 20010328 (9)	
RELATED APPLN. INFO.: Continuation of	
Ser. No. US 1999-305736, filed on 5 May	
1999, UNKNOWN	
DOCUMENT TYPE: Utility	
FILE SEGMENT: APPLICATION	
LEGAL REPRESENTATIVE: HUMAN	
GENOME SCIENCES INC, 9410 KEY	
WEST AVENUE,	
ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS: 23	
EXEMPLARY CLAIM: 1	

LINE COUNT: 22344
CAS INDEXING IS AVAILABLE FOR THIS
PATENT.
AB The present invention relates to novel
human secreted proteins and
isolated nucleic acids containing the
coding regions of the genes
encoding such proteins. Also provided
are vectors, host cells,
antibodies, and recombinant methods
for producing human secreted
proteins. The invention further relates to
diagnostic and therapeutic
methods useful for diagnosing and
treating disorders related to these
novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS
PATENT.

L4 ANSWER 9 OF 29 USPATFULL on
STN
ACCESSION NUMBER: 2003:251892
USPATFULL
TITLE: 148 human secreted
proteins
INVENTOR(S): Feng, Ping,
Germantown, MD, UNITED STATES
Duan, Roxanne, Bethesda,
MD, UNITED STATES
Ruben, Steven M.,
Brookeville, MD, UNITED STATES
Florence, Kimberly A.,
Rockville, MD, UNITED STATES
Greene, John M.,
Gaithersburg, MD, UNITED STATES
Rosen, Craig A., Laytonsville,
MD, UNITED STATES
Young, Paul E.,
Gaithersburg, MD, UNITED STATES
Florence, Charles, Rockville,
MD, UNITED STATES
Ebner, Reinhard,
Gaithersburg, MD, UNITED STATES
Olsen, Henrik S.,
Gaithersburg, MD, UNITED STATES
Ni, Jian, Germantown, MD,
UNITED STATES
Wei, Ying-Fei, Berkeley, CA,
UNITED STATES
Soppet, Daniel R.,
Centreville, VA, UNITED STATES
Moore, Paul A.,
Germantown, MD, UNITED STATES
Kyaw, Hla, Frederick, MD,
UNITED STATES

LaFleur, David W.,
Washington, DC, UNITED STATES
Brewer, Laurie A., St. Paul,
MN, UNITED STATES
Shi, Yanggu, Gaithersburg,
MD, UNITED STATES
Janat, Fouad, Westerly, RI,
UNITED STATES
Endress, Gregory A.,
Florence, MA, UNITED STATES
Carter, Kenneth C., North
Potomac, MD, UNITED STATES

DATE	NUMBER	KIND
PATENT INFORMATION: US		
	2003176681	A1 20030918
APPLICATION INFO.: US 2002-231417		
	A1 20020830	(10)
RELATED APPLN. INFO.: Continuation of		
	Ser. No. US 1999-296622,	filed on 23
	Apr 1999,	PENDING
Continuation-in-part of Ser. No. WO		
	1998-US22376,	filed on 23
	Oct 1998,	PENDING

	NUMBER	DATE
PRIORITY INFORMATION: US 1997-		
63099P	19971024 (60)	
	US 1997-63088P	
19971024 (60)		
	US 1997-63100P	
19971024 (60)		
	US 1997-63387P	
19971024 (60)		
	US 1997-63148P	
19971024 (60)		
	US 1997-63386P	
19971024 (60)		
	US 1997-63784P	
19971031 (60)		
	US 1997-63091P	
19971024 (60)		
	US 1997-63090P	
19971024 (60)		
	US 1997-63089P	
19971024 (60)		
	US 1997-63092P	
19971024 (60)		
	US 1997-63111P	
19971024 (60)		
	US 1997-63101P	
19971024 (60)		

US 1997-63109P
19971024 (60)
US 1997-63110P
19971024 (60)
US 1997-63098P
19971024 (60)
US 1997-63097P
19971024 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: HUMAN
GENOME SCIENCES INC, 9410 KEY
WEST AVENUE,
ROCKVILLE, MD, 20850
NUMBER OF CLAIMS: 23
EXEMPLARY CLAIM: 1
LINE COUNT: 22111
CAS INDEXING IS AVAILABLE FOR THIS
PATENT.
AB The present invention relates to novel
human secreted proteins and
isolated nucleic acids containing the
coding regions of the genes
encoding such proteins. Also provided
are vectors, host cells,
antibodies, and recombinant methods
for producing human secreted
proteins. The invention further relates to
diagnostic and therapeutic
methods useful for diagnosing and
treating disorders related to these
novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS
PATENT.

L4 ANSWER 10 OF 29 USPATFULL on
STN
ACCESSION NUMBER: 2003:238371
USPATFULL
TITLE: Polypeptides and their
uses
INVENTOR(S): Mileusnic, Radmila,
Milton Keynes, UNITED KINGDOM
Russell Rose, Steven Peter,
Milton Keynes, UNITED
KINGDOM

DATE	NUMBER	KIND
PATENT INFORMATION: US		
	2003166529	A1 20030904
APPLICATION INFO.: US 2001-998491		
	A1 20011130	(9)

NUMBER	DATE

PRIORITY INFORMATION: GB 2001-9558	
20010418	
GB 2001-20084	
20010817	
DOCUMENT TYPE:	Utility
FILE SEGMENT:	APPLICATION
LEGAL REPRESENTATIVE: DRINKER	
BIDDLE & REATH, ONE LOGAN SQUARE,	
18TH AND	
CHERRY STREETS,	
PHILADELPHIA, PA, 19103-6996	
NUMBER OF CLAIMS:	35
EXEMPLARY CLAIM:	1
NUMBER OF DRAWINGS:	7 Drawing
Page(s)	
LINE COUNT:	1091
CAS INDEXING IS AVAILABLE FOR THIS	
PATENT.	
AB The invention provides compounds	
having formulae comprising	

X.sub.1- ***Ser*** - ***Met*** -
 Arg - ***Glu*** -
 Arg -X.sub.2

in which X.sub.1 and X.sub.2 are up to 30 amino acid residues and the formula represents a reverse-order sequence corresponding to amino acid residues 332 to 328 of human APP and from zero to 30 successive amino acid residues of human APP extending in each direction therefrom, The invention also provides the pentapeptide ***Ser*** - ***Met*** - ***Arg*** - ***Glu*** - ***Arg***, corresponding to residues 332 to 328 of human amyloid precursor protein in reverse order, and the tripeptide Arg-Glu-Arg which corresponds residues 328 to 330 of human amyloid precursor protein, the tripeptide and pentapeptide being provided as pharmaceutical compositions. The invention further provides conjugates of the foregoing compounds which can cross the blood-brain barrier and pharmaceutical compositions containing such conjugates. The compounds and compositions of the invention are believed to be useful in the treatment of Alzheimer's disease and as cognitive enhancers and

appropriate methods of medical treatment are disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 11 OF 29 USPATFULL on STN
 ACCESSION NUMBER: 2003:231989
 USPATFULL
 TITLE: Polynucleotide encoding a novel TRP channel family member, LTRPC3, and splice variants thereof
 INVENTOR(S): Lee, Ning, Belle Mead, NJ, UNITED STATES
 Chen, Jian, Princeton, NJ, UNITED STATES
 Feder, John, Belle Mead, NJ, UNITED STATES
 Wu, Shujian, Langhorne, PA, UNITED STATES
 Lee, Liana, North Brunswick, NJ, UNITED STATES
 Blamar, Michael A., Malvern, PA, UNITED STATES
 Bol, David, Langhorne, PA, UNITED STATES
 Levesque, Paul C., Yardley, PA, UNITED STATES
 Sun, Lucy, Newtown, PA, UNITED STATES

NUMBER	KIND

DATE	
PATENT INFORMATION: US	
2003162189	A1 20030828
APPLICATION INFO.: US 2002-210152	
A1	20020801 (10)

NUMBER	DATE

PRIORITY INFORMATION: US 2001-309544P 20010802 (60)	
DOCUMENT TYPE:	Utility
FILE SEGMENT:	APPLICATION
LEGAL REPRESENTATIVE: STEPHEN B. DAVIS, BRISTOL-MYERS SQUIBB COMPANY, PATENT	
DEPARTMENT, P O BOX	
4000, PRINCETON, NJ, 08543-4000	
NUMBER OF CLAIMS:	21
EXEMPLARY CLAIM:	1
NUMBER OF DRAWINGS:	50 Drawing
Page(s)	

LINE COUNT: 22664
CAS INDEXING IS AVAILABLE FOR THIS
PATENT.

AB The present invention provides novel
polynucleotides encoding LTRPC3
polypeptides, fragments and
homologues thereof. The present invention
also provides polynucleotides encoding
variants and splice variants of
LTRPC3 polypeptides, LTRPC3b,
LTRPC3c, LTRPC3d, LTRPC3e, and
LTRPC3f,

respectively. Also provided are vectors,
host cells, antibodies, and
recombinant and synthetic methods for
producing said polypeptides. The
invention further relates to diagnostic
and therapeutic methods for
applying these novel LTRPC3,
LTRPC3b, LTRPC3c, LTRPC3d, LTRPC3e,
and

LTRPC3f polypeptides to the diagnosis,
treatment, and/or prevention of
various diseases and/or disorders
related to these polypeptides. The
invention further relates to screening
methods for identifying agonists
and antagonists of the polynucleotides
and polypeptides of the present
invention.

CAS INDEXING IS AVAILABLE FOR THIS
PATENT.

L4 ANSWER 12 OF 29 USPATFULL on
STN
ACCESSION NUMBER: 2003:207830
USPATFULL
TITLE: Polynucleotide encoding a
novel TRP channel family
member, TRP-PLIK2, and
splice variants thereof
INVENTOR(S): Lee, Ning,
Bellemead, NJ, UNITED STATES
Chen, Jian, Princeton, NJ,
UNITED STATES
Feder, John N., Belle Mead,
NJ, UNITED STATES
Wu, Shujian, Langhorne, PA,
UNITED STATES
Chang, Han, Princeton
Junction, NJ, UNITED STATES
Lee, Liana, North Brunswick,
NJ, UNITED STATES
Blonar, Michael A., Malvern,
PA, UNITED STATES

Bol, David, Langhorne, PA,
UNITED STATES

NUMBER KIND
DATE
PATENT INFORMATION: US
2003144191 A1 20030731
APPLICATION INFO.: US 2002-153244
A1 20020522 (10)

NUMBER DATE
PRIORITY INFORMATION: US 2001-
292599P 20010522 (60)
US 2002-362944P
20020308 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: STEPHEN B.
DAVIS, BRISTOL-MYERS SQUIBB
COMPANY, PATENT
DEPARTMENT, P O BOX
4000, PRINCETON, NJ, 08543-4000
NUMBER OF CLAIMS: 19
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 51 Drawing
Page(s)
LINE COUNT: 20954
CAS INDEXING IS AVAILABLE FOR THIS
PATENT.

AB The present invention provides novel
polynucleotides encoding TRP-PLIK2
polypeptides, fragments and
homologues thereof. The present invention
also provides polynucleotides encoding
variants and splice variants of
TRP-PLIK2 polypeptides, TRP-PLIK2b,
TRP-PLIK2c, and TRP-PLIK2d,
respectively. Also provided are vectors,
host cells, antibodies, and
recombinant and synthetic methods for
producing said polypeptides. The
invention further relates to diagnostic
and therapeutic methods for
applying these novel TRP-PLIK2, TRP-
PLIK2b, TRP-PLIK2c, and TRP-PLIK2d
polypeptides to the diagnosis,
treatment, and/or prevention of various
diseases and/or disorders related to
these polypeptides. The invention
further relates to screening methods for
identifying agonists and
antagonists of the polynucleotides and
polypeptides of the present
invention.

CAS INDEXING IS AVAILABLE FOR THIS
PATENT.

L4 ANSWER 13 OF 29 USPATFULL on
STN

ACCESSION NUMBER: 2003:165470
USPATFULL

TITLE: Neuropilin/VEGF-
C/VEGFR-3 materials and methods

INVENTOR(S): Alitalo, Kari, Helsinki,
FINLAND

Karkkainen, Marika, Helsinki,
FINLAND

Karila, Kaisa, Espoo,
FINLAND

	NUMBER	KIND
DATE	-----	

PATENT INFORMATION: US
2003113324 A1 20030619
APPLICATION INFO.: US 2002-262538
A1 20020930 (10)

	NUMBER	DATE

PRIORITY INFORMATION:	US 2001-326326P	20011001 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	MARSHALL, GERSTEIN & BORUN, 6300 SEARS TOWER, 233 SOUTH	

WACKER, CHICAGO, IL,
60606-6357

NUMBER OF CLAIMS: 39
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 1 Drawing
Page(s)

LINE COUNT: 6539
CAS INDEXING IS AVAILABLE FOR THIS
PATENT.

AB The present invention relates to
identifying modulators of VEGF-C or
VEGF-D ligand binding to the nervous
system transmembrane protein
neuropilin-2 and materials and methods
for detecting said modulators.

CAS INDEXING IS AVAILABLE FOR THIS
PATENT.

L4 ANSWER 14 OF 29 USPATFULL on
STN

ACCESSION NUMBER: 2003:146305
USPATFULL

TITLE: 97 human secreted
proteins

INVENTOR(S): Ruben, Steven M.,
Olney, MD, UNITED STATES

Florence, Kimberly A.,
Rockville, MD, UNITED STATES

Ni, Jian, Germantown, MD,
UNITED STATES

Rosen, Craig A., Laytonsville,
MD, UNITED STATES

Carter, Kenneth C., North
Potomac, MD, UNITED STATES

Moore, Paul A.,
Germantown, MD, UNITED STATES

Olsen, Henrik S.,
Gaithersburg, MD, UNITED STATES

Shi, Yanggu, Gaithersburg,
MD, UNITED STATES

Young, Paul E.,
Gaithersburg, MD, UNITED STATES

Wei, Ying-Fei, Berkeley, CA,
UNITED STATES

Brewer, Laurie A., St. Paul,
MN, UNITED STATES

Soppet, Daniel R.,
Centreville, VA, UNITED STATES

LaFleur, David W.,
Washington, DC, UNITED STATES

Endress, Gregory A.,
Florence, MA, UNITED STATES

Ebner, Reinhard,
Gaithersburg, MD, UNITED STATES

Birse, Charles E., North
Potomac, MD, UNITED STATES

	NUMBER	KIND
DATE	-----	

PATENT INFORMATION: US
2003100051 A1 20030529
APPLICATION INFO.: US 2001-948783
A1 20010910 (9)

RELATED APPLN. INFO.: Continuation-in-
part of Ser. No. US 2001-892877, filed
on 28 Jun 2001, PENDING

Continuation of Ser. No. US
1999-437658, filed on 10 Nov
1999, ABANDONED

Continuation-in-part of Ser.
No. WO 1999-US9847, filed
on 6 May 1999, UNKNOWN

NUMBER	DATE

PRIORITY INFORMATION: US 2000-231846P 20000911 (60)

US 1998-85093P

19980512 (60)

US 1998-85094P

19980512 (60)

US 1998-85105P

19980512 (60)

US 1998-85180P

19980512 (60)

US 1998-85927P

19980518 (60)

US 1998-85906P

19980518 (60)

US 1998-85920P

19980518 (60)

US 1998-85924P

19980518 (60)

US 1998-85922P

19980518 (60)

US 1998-85923P

19980518 (60)

US 1998-85921P

19980518 (60)

US 1998-85925P

19980518 (60)

US 1998-85928P

19980518 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: HUMAN

GENOME SCIENCES INC, 9410 KEY

WEST AVENUE,

ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 23

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 6 Drawing

Page(s)

LINE COUNT: 32767

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 15 OF 29 USPATFULL on STN

ACCESSION NUMBER: 2003:127863 USPATFULL

TITLE: 125 HUMAN SECRETED PROTEINS

INVENTOR(S): RUBEN, STEVEN M., OLNEY, MD, UNITED STATES

ROSEN, CRAIG A., LAYTONSVILLE, MD, UNITED STATES

SHI, YANGGU, GAITHERSBURG, MD, UNITED STATES

DATE	NUMBER	KIND
------	--------	------

PATENT INFORMATION: US

2003088078 A1 20030508

APPLICATION INFO.: US 1999-305736 A1 19990505 (9)

RELATED APPLN. INFO.: A 371 of International Ser. No. WO 1998-US23435, filed

on 4 Nov 1998, UNKNOWN

DATE	NUMBER	DATE
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PRIORITY INFORMATION: US 1997-

64911P 19971107 (60)

US 1997-64912P

19971107 (60)

US 1997-64983P

19971107 (60)

US 1997-64900P

19971107 (60)

US 1997-64988P

19971107 (60)

US 1997-64987P

19971107 (60)

US 1997-64908P

19971107 (60)

US 1997-64984P

19971107 (60)

US 1997-64985P

19971107 (60)

US 1997-66094P

19971117 (60)

US 1997-66100P

19971117 (60)

US 1997-66089P

19971117 (60)

US 1997-66095P

19971117 (60)

US 1997-66090P
19971117 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: HUMAN
GENOME SCIENCES INC, 9410 KEY
WEST AVENUE,
ROCKVILLE, MD, 20850
NUMBER OF CLAIMS: 23
EXEMPLARY CLAIM: 1
LINE COUNT: 22048
CAS INDEXING IS AVAILABLE FOR THIS
PATENT.
AB The present invention relates to novel
human secreted proteins and
isolated nucleic acids containing the
coding regions of the genes
encoding such proteins. Also provided
are vectors, host cells,
antibodies, and recombinant methods
for producing human secreted
proteins. The invention further relates to
diagnostic and therapeutic
methods useful for diagnosing and
treating disorders related to these
novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS
PATENT.

L4 ANSWER 16 OF 29 USPATFULL on
STN
ACCESSION NUMBER: 2003:113076
USPATFULL
TITLE: 97 human secreted
proteins
INVENTOR(S): Ruben, Steven M.,
Olney, MD, UNITED STATES
Florence, Kimberly,
Rockville, MD, UNITED STATES
Ni, Jian, Rockville, MD,
UNITED STATES
Rosen, Craig A., Laytonsville,
MD, UNITED STATES
Carter, Kenneth C., North
Potomac, MD, UNITED STATES
Moore, Paul A.,
Germantown, MD, UNITED STATES
Olsen, Henrik, Gaithersburg,
MD, UNITED STATES
Shi, Yanggu, Gaithersburg,
MD, UNITED STATES
Young, Paul, Gaithersburg,
MD, UNITED STATES
Wei, Ying-Fei, Berkeley, CA,
UNITED STATES

Brewer, Laurie A., St. Paul,
MN, UNITED STATES
Soppet, Daniel R.,
Centreville, CA, UNITED STATES
LaFleur, David W.,
Washington, DC, UNITED STATES
Endress, Gregory A.,
Potomac, MD, UNITED STATES
Ebner, Reinhard,
Gaithersburg, MD, UNITED STATES

DATE	NUMBER	KIND
PATENT INFORMATION: US		
2003077809	A1	20030424
APPLICATION INFO.: US 2001-892877		
A1 20010628 (9)		
RELATED APPLN. INFO.: Continuation of		
Ser. No. US 1999-437658, filed on 10		
Nov 1999, ABANDONED		
Continuation-in-part of Ser. No. WO		
1999-US9847, filed on 6 May		
1999, UNKNOWN		

NUMBER	DATE
PRIORITY INFORMATION: US 1998-	
85093P	19980512 (60)
	US 1998-85094P
19980512 (60)	US 1998-85105P
19980512 (60)	US 1998-85180P
19980512 (60)	US 1998-85927P
19980518 (60)	US 1998-85906P
19980518 (60)	US 1998-85920P
19980518 (60)	US 1998-85924P
19980518 (60)	US 1998-85922P
19980518 (60)	US 1998-85923P
19980518 (60)	US 1998-85921P
19980518 (60)	US 1998-85925P
19980518 (60)	US 1998-85928P
19980518 (60)	
DOCUMENT TYPE: Utility	
FILE SEGMENT: APPLICATION	

LEGAL REPRESENTATIVE: HUMAN
GENOME SCIENCES INC, 9410 KEY
WEST AVENUE,

ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 23

EXEMPLARY CLAIM: 1

LINE COUNT: 25009

CAS INDEXING IS AVAILABLE FOR THIS
PATENT.

AB The present invention relates to novel
human secreted proteins and
isolated nucleic acids containing the
coding regions of the genes
encoding such proteins. Also provided
are vectors, host cells,
antibodies, and recombinant methods
for producing human secreted
proteins. The invention further relates to
diagnostic and therapeutic
methods useful for diagnosing and
treating disorders related to these
novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS
PATENT.

L4 ANSWER 17 OF 29 USPATFULL on
STN

ACCESSION NUMBER: 2003:93778

USPATFULL

TITLE: SECRETED PROTEIN
HMMBD35

INVENTOR(S): ROSEN, CRAIG A.,
LAYTONSVILLE, MD, UNITED STATES
WEI, YING-FEI, BERKELEY,
CA, UNITED STATES

DATE	NUMBER	KIND
------	--------	------

PATENT INFORMATION: US
2003065139 A1 20030403
APPLICATION INFO.: US 1999-397945
A1 19990917 (9)
RELATED APPLN. INFO.: Continuation of
Ser. No. WO 1999-US5804, filed on 18
Mar 1999, UNKNOWN

NUMBER	DATE
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PRIORITY INFORMATION: US 1998-
78566P 19980319 (60)
US 1998-78576P
19980319 (60)
US 1998-78573P
19980319 (60)

US 1998-78574P

19980319 (60)

US 1998-78579P

19980319 (60)

US 1998-80314P

19980401 (60)

US 1998-80312P

19980401 (60)

US 1998-78578P

19980319 (60)

US 1998-78581P

19980319 (60)

US 1998-78577P

19980319 (60)

US 1998-78563P

19980319 (60)

US 1998-80313P

19980401 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: HUMAN
GENOME SCIENCES INC, 9410 KEY
WEST AVENUE,

ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 23

EXEMPLARY CLAIM: 1

LINE COUNT: 25027

CAS INDEXING IS AVAILABLE FOR THIS
PATENT.

AB The present invention relates to novel
human secreted proteins and
isolated nucleic acids containing the
coding regions of the genes
encoding such proteins. Also provided
are vectors, host cells,
antibodies, and recombinant methods
for producing human secreted
proteins. The invention further relates to
diagnostic and therapeutic
methods useful for diagnosing and
treating disorders related to these
novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS
PATENT.

L4 ANSWER 18 OF 29 USPATFULL on
STN

ACCESSION NUMBER: 2003:93053

USPATFULL

TITLE: 123 human secreted
proteins

INVENTOR(S): Fischer, Carrie L.,
Burke, VA, UNITED STATES
Rosen, Craig A., Laytonsville,
MD, UNITED STATES

Soppet, Daniel R.,
Centreville, VA, UNITED STATES
Ruben, Steven M., Olney,
MD, UNITED STATES
Kyaw, Hla, Frederick, MD,
UNITED STATES
Li, Yi, Sunnyvale, CA,
UNITED STATES
Zeng, Zhizhen, Lansdale,
PA, UNITED STATES
LaFleur, David W.,
Washington, DC, UNITED STATES
Moore, Paul A.,
Germantown, MD, UNITED STATES
Shi, Yanggu, Gaithersburg,
MD, UNITED STATES
Olsen, Henrik S.,
Gaithersburg, MD, UNITED STATES
Ebner, Reinhard,
Gaithersburg, MD, UNITED STATES
Brewer, Laurie A., St. Paul,
MN, UNITED STATES

NUMBER KIND
DATE

PATENT INFORMATION: US
2003064412 A1 20030403
APPLICATION INFO.: US 2001-984490
A1 20011030 (9)
RELATED APPLN. INFO.: Division of Ser.
No. US 1999-227357, filed on 8 Jan
1999, PATENTED
Continuation-in-part of Ser. No. WO
1998-US13684, filed on 7 Jul
1998, UNKNOWN

NUMBER DATE

PRIORITY INFORMATION: US 1997-
51926P 19970708 (60)
US 1997-52793P
19970708 (60)
US 1997-51925P
19970708 (60)
US 1997-51929P
19970708 (60)
US 1997-52803P
19970708 (60)
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19970708 (60)
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US 1997-51932P
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19970708 (60)
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US 1997-51918P
19970708 (60)
US 1997-51920P
19970708 (60)
US 1997-52733P
19970708 (60)
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19970708 (60)
US 1997-51919P
19970708 (60)
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19970818 (60)
US 1997-56360P
19970818 (60)
US 1997-55684P
19970818 (60)
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19970818 (60)
US 1997-55954P
19970818 (60)
US 1997-58785P
19970912 (60)
US 1997-58664P
19970912 (60)
US 1997-58660P
19970912 (60)
US 1997-58661P
19970912 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: HUMAN
GENOME SCIENCES INC, 9410 KEY
WEST AVENUE,
ROCKVILLE, MD, 20850
NUMBER OF CLAIMS: 70
EXEMPLARY CLAIM: 1

LINE COUNT: 20255
CAS INDEXING IS AVAILABLE FOR THIS
PATENT.
AB The present invention relates to novel
human secreted proteins and
isolated nucleic acids containing the
coding regions of the genes
encoding such proteins. Also provided
are vectors, host cells,
antibodies, and recombinant methods
for producing human secreted
proteins. The invention further relates to
diagnostic and therapeutic
methods useful for diagnosing and
treating disorders related to these
novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS
PATENT.

L4 ANSWER 19 OF 29 USPATFULL on
STN
ACCESSION NUMBER: 2003:79303
USPATFULL
TITLE: 12 human secreted
proteins
INVENTOR(S): Ni, Jian,
Germantown, MD, UNITED STATES
Young, Paul E.,
Gaithersburg, MD, UNITED STATES
Kenny, Joseph J.,
Damascus, MD, UNITED STATES
Olsen, Henrik S.,
Gaithersburg, MD, UNITED STATES
Moore, Paul A.,
Germantown, MD, UNITED STATES
Wei, Ying-Fei, Berkeley, CA,
UNITED STATES
Greene, John M.,
Gaithersburg, MD, UNITED STATES
Ruben, Steven M., Olney,
MD, UNITED STATES
Liu, Ding, Gaithersburg, MD,
UNITED STATES
Crocker, Paul R., Dundee,
UNITED KINGDOM

DATE	NUMBER	KIND

PATENT INFORMATION: US		
2003055231 A1 20030320		
APPLICATION INFO.: US 2001-984130		
A1 20011029 (9)		
RELATED APPLN. INFO.: Continuation-in-		
part of Ser. No. US 2001-836353, filed		

on 18 Apr 2001, PENDING
Continuation-in-part of Ser.
No. WO 1999-US25031, filed
on 27 Oct 1999, UNKNOWN

NUMBER	DATE

PRIORITY INFORMATION: US 2000-	
243792P 20001030 (60)	
US 2000-198407P	
20000419 (60)	
US 1998-105971P	
19981028 (60)	
DOCUMENT TYPE: Utility	
FILE SEGMENT: APPLICATION	
LEGAL REPRESENTATIVE: HUMAN	
GENOME SCIENCES INC, 9410 KEY	
WEST AVENUE,	
ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS: 23	
EXEMPLARY CLAIM: 1	
NUMBER OF DRAWINGS: 67 Drawing	
Page(s)	
LINE COUNT: 31982	
CAS INDEXING IS AVAILABLE FOR THIS	
PATENT.	
AB The present invention relates to 12	
novel human secreted proteins and	
isolated nucleic acids containing the	
coding regions of the genes	
encoding such proteins. Also provided	
are vectors, host cells,	
antibodies, and recombinant methods	
for producing human secreted	
proteins. The invention further relates to	
diagnostic and therapeutic	
methods useful for diagnosing and	
treating disorders related to these	
novel human secreted proteins.	

CAS INDEXING IS AVAILABLE FOR THIS
PATENT.

L4 ANSWER 20 OF 29 USPATFULL on
STN
ACCESSION NUMBER: 2003:72155
USPATFULL
TITLE: 62 human secreted
proteins
INVENTOR(S): Ruben, Steven M.,
Olney, MD, UNITED STATES
Ni, Jian, Germantown, MD,
UNITED STATES
Komatsoulis, George, Silver
Spring, MD, UNITED STATES

Rosen, Craig A., Laytonsville,
MD, UNITED STATES
Soppet, Daniel R.,
Centreville, VA, UNITED STATES
Shi, Yanggu, Gaithersburg,
MD, UNITED STATES
LaFleur, David W.,
Washington, DC, UNITED STATES
Olsen, Henrik S.,
Gaithersburg, MD, UNITED STATES
Ebner, Reinhard,
Gaithersburg, MD, UNITED STATES
Florence, Kimberly A.,
Rockville, MD, UNITED STATES
Moore, Paul A.,
Germantown, MD, UNITED STATES
Birse, Charles E., North
Potomac, MD, UNITED STATES
Young, Paul, Gaithersburg,
MD, UNITED STATES
PATENT ASSIGNEE(S): Human Genome
Sciences, Inc., Rockville, MD (U.S.
corporation)

DATE	NUMBER	KIND

PATENT INFORMATION: US		
	2003050442	A1 20030313
APPLICATION INFO.: US 2002-50704		
	A1	20020118 (10)
RELATED APPLN. INFO.: Continuation of		
	Ser. No. US 2000-684524,	filed on 10
	Oct 2000,	PENDING
Continuation-in-part of Ser. No. WO		
	2000-US8979,	filed on 6 Apr
	2000,	UNKNOWN

	NUMBER	DATE

PRIORITY INFORMATION: US 1999-		
	128693P	19990409 (60)
		US 1999-130991P
	19990426	(60)
DOCUMENT TYPE: Utility		
FILE SEGMENT: APPLICATION		
LEGAL REPRESENTATIVE: HUMAN		
GENOME SCIENCES INC, 9410 KEY		
WEST AVENUE,		
		ROCKVILLE, MD, 20850
NUMBER OF CLAIMS: 23		
EXEMPLARY CLAIM: 1		
LINE COUNT: 29145		
CAS INDEXING IS AVAILABLE FOR THIS		
PATENT.		

AB The present invention relates to novel
human secreted proteins and
isolated nucleic acids containing the
coding regions of the genes
encoding such proteins. Also provided
are vectors, host cells,
antibodies, and recombinant methods
for producing human secreted
proteins. The invention further relates to
diagnostic and therapeutic
methods useful for diagnosing and
treating diseases, disorders, and/or
conditions related to these novel human
secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS
PATENT.

L4 ANSWER 21 OF 29 USPATFULL on
STN
ACCESSION NUMBER: 2003:57524
USPATFULL
TITLE: Secreted protein
HT5GJ57
INVENTOR(S): Ruben, Steven M.,
Olney, MD, UNITED STATES
Komatsoulis, George, Silver
Spring, MD, UNITED STATES
Duan, Roxanne D.,
Bethesda, MD, UNITED STATES
Rosen, Craig A., Laytonsville,
MD, UNITED STATES
Moore, Paul A.,
Germantown, MD, UNITED STATES
Shi, Yanggu, Gaithersburg,
MD, UNITED STATES
LaFleur, David W.,
Washington, DC, UNITED STATES
Ebner, Reinhard,
Gaithersburg, MD, UNITED STATES
Olsen, Henrik S.,
Gaithersburg, MD, UNITED STATES
Brewer, Laurie A., St. Paul,
MN, UNITED STATES
Florence, Kimberly A.,
Rockville, MD, UNITED STATES
Young, Paul E.,
Gaithersburg, MD, UNITED STATES
Mucenski, Michael,
Cincinnati, OH, UNITED STATES
Endress, Gregory A.,
Florence, MA, UNITED STATES
Soppet, Daniel R.,
Centreville, VA, UNITED STATES
PATENT ASSIGNEE(S): Human Genome
Sciences, Inc., Rockville, MD, UNITED

STATES, 20850 (U.S.
corporation)

NUMBER KIND
DATE

PATENT INFORMATION: US
2003040088 A1 20030227
APPLICATION INFO.: US 2001-984271
A1 20011029 (9)
RELATED APPLN. INFO.: Division of Ser.
No. US 2000-482273, filed on 13 Jan
2000, PENDING
Continuation-in-part of Ser. No. WO
1999-US15849, filed on 14
Jul 1999, UNKNOWN

NUMBER DATE

PRIORITY INFORMATION: US 1998-
92921P 19980715 (60)

US 1998-92922P

19980715 (60)

US 1998-92956P

19980715 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: HUMAN

GENOME SCIENCES INC, 9410 KEY

WEST AVENUE,

ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 46

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 3 Drawing

Page(s)

LINE COUNT: 24720

CAS INDEXING IS AVAILABLE FOR THIS
PATENT.

AB The present invention relates to novel
human secreted proteins and

isolated nucleic acids containing the
coding regions of the genes

encoding such proteins. Also provided
are vectors, host cells,

antibodies, and recombinant methods
for producing human secreted

proteins. The invention further relates to
diagnostic and therapeutic

methods useful for diagnosing and
treating diseases, disorders, and/or

conditions related to these novel human
secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS
PATENT.

L4 ANSWER 22 OF 29 USPATFULL on
STN

ACCESSION NUMBER: 2003:38356
USPATFULL

TITLE: 125 human secreted
proteins

INVENTOR(S): Rosen, Craig A.,
Laytonsville, MD, UNITED STATES

Feng, Ping, Gaithersburg,
MD, UNITED STATES

Ruben, Steven M., Olney,
MD, UNITED STATES

Ebner, Reinhard,
Gaithersburg, MD, UNITED STATES

Olsen, Henrik S.,
Gaithersburg, MD, UNITED STATES

Ni, Jian, Germantown, MD,
UNITED STATES

Wei, Ying-Fei, Berkeley, CA,
UNITED STATES

Soppet, Daniel R.,
Centreville, VA, UNITED STATES

Moore, Paul A.,
Germantown, MD, UNITED STATES

Kyaw, Hla, Frederick, MD,
UNITED STATES

LaFleur, David W.,
Washington, DC, UNITED STATES

Shi, Yanggu, Gaithersburg,
MD, UNITED STATES

Janat, Fouad, Westerly, RI,
UNITED STATES

Endress, Gregory A.,
Florence, MA, UNITED STATES

Carter, Kenneth C., North
Potomac, MD, UNITED STATES

Birse, Charles E., North
Potomac, MD, UNITED STATES

NUMBER KIND
DATE

PATENT INFORMATION: US

2003028003 A1 20030206

APPLICATION INFO.: US 2001-974879
A1 20011012 (9)

RELATED APPLN. INFO.: Continuation-in-
part of Ser. No. US 2001-818683, filed

on 28 Mar 2001, PENDING
Continuation of Ser. No. US

1999-305736, filed on 5 May
1999, PENDING

Continuation-in-part of Ser.
No. WO 1998-US23435, filed

on 4 Nov 1998, UNKNOWN

	NUMBER	DATE
PRIORITY INFORMATION: US 2000-239893P 20001013 (60)		
	US 1997-64911P	
19971107 (60)	US 1997-64912P	
19971107 (60)	US 1997-64983P	
19971107 (60)	US 1997-64900P	
19971107 (60)	US 1997-64988P	
19971107 (60)	US 1997-64987P	
19971107 (60)	US 1997-64908P	
19971107 (60)	US 1997-64984P	
19971107 (60)	US 1997-64985P	
19971107 (60)	US 1997-66094P	
19971117 (60)	US 1997-66100P	
19971117 (60)	US 1997-66089P	
19971117 (60)	US 1997-66095P	
19971117 (60)	US 1997-66090P	
19971117 (60)		
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN	
GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850		
NUMBER OF CLAIMS:	23	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	3 Drawing	
Page(s)		
LINE COUNT:	36277	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		
AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic		

methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 23 OF 29 USPATFULL on STN
 ACCESSION NUMBER: 2003:30238
 USPATFULL
 TITLE: Secreted protein
 HLHFP03
 INVENTOR(S): Fischer, Carrie L.,
 Burke, VA, UNITED STATES
 Rosen, Craig A., Laytonsville,
 MD, UNITED STATES
 Soppet, Daniel R.,
 Centreville, VA, UNITED STATES
 Ruben, Steven M., Olney,
 MD, UNITED STATES
 Kyaw, Hla, Frederick, MD,
 UNITED STATES
 Li, Yi, Sunnyvale, CA,
 UNITED STATES
 Zeng, Zhizhen, Lansdale,
 PA, UNITED STATES
 LaFleur, David W.,
 Washington, DC, UNITED STATES
 Moore, Paul A.,
 Germantown, MD, UNITED STATES
 Shi, Yanggu, Gaithersburg,
 MD, UNITED STATES
 Olsen, Henrik S.,
 Gaithersburg, MD, UNITED STATES
 Ebner, Reinhard,
 Gaithersburg, MD, UNITED STATES
 Brewer, Laurie A., St. Paul,
 MN, UNITED STATES

DATE	NUMBER	KIND
PATENT INFORMATION: US		
2003022185	A1	20030130
APPLICATION INFO.: US 2001-983802		
A1	20011025	(9)
RELATED APPLN. INFO.: Continuation of		
Ser. No. US 1999-227357, filed on 8 Jan		
1999, GRANTED, Pat. No.		
US 6342581 Continuation-in-part		
of Ser. No. WO 1998-		
US13684, filed on 7 Jul 1998,		
UNKNOWN		

	NUMBER	DATE

PRIORITY INFORMATION: US 1997-51926P 19970708 (60)		
	US 1997-52793P	
19970708 (60)	US 1997-51925P	
19970708 (60)	US 1997-51929P	
19970708 (60)	US 1997-52803P	
19970708 (60)	US 1997-52732P	
19970708 (60)	US 1997-51931P	
19970708 (60)	US 1997-51932P	
19970708 (60)	US 1997-51916P	
19970708 (60)	US 1997-51930P	
19970708 (60)	US 1997-51918P	
19970708 (60)	US 1997-51920P	
19970708 (60)	US 1997-52733P	
19970708 (60)	US 1997-52795P	
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19970708 (60)	US 1997-51928P	
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19970818 (60)	US 1997-55723P	
19970818 (60)	US 1997-55948P	
19970818 (60)	US 1997-55949P	
19970818 (60)	US 1997-55953P	
19970818 (60)	US 1997-55950P	
19970818 (60)	US 1997-55947P	
19970818 (60)	US 1997-55964P	
19970818 (60)	US 1997-56360P	
19970818 (60)	US 1997-55684P	
19970818 (60)	US 1997-55984P	
19970818 (60)		

US 1997-55954P

19970818 (60) US 1997-58785P

19970912 (60) US 1997-58664P

19970912 (60) US 1997-58660P

19970912 (60) US 1997-58661P

19970912 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: HUMAN

GENOME SCIENCES INC, 9410 KEY

WEST AVENUE,

ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 24

EXEMPLARY CLAIM: 1

LINE COUNT: 19390

CAS INDEXING IS AVAILABLE FOR THIS

PATENT.

AB The present invention relates to novel

human secreted proteins and

isolated nucleic acids containing the

coding regions of the genes

encoding such proteins. Also provided

are vectors, host cells,

antibodies, and recombinant methods

for producing human secreted

proteins. The invention further relates to

diagnostic and therapeutic

methods useful for diagnosing and

treating disorders related to these

novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS

PATENT.

L4 ANSWER 24 OF 29 USPATFULL on

STN

ACCESSION NUMBER: 2003:23660

USPATFULL

TITLE: Secreted protein

HT5GJ57

INVENTOR(S): Ruben, Steven M.,

Olney, MD, UNITED STATES

Komatsoulis, George, Silver

Spring, MD, UNITED STATES

Duan, Roxanne D.,

Bethesda, MD, UNITED STATES

Rosen, Craig A., Laytonsville,

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Moore, Paul A.,

Germantown, MD, UNITED STATES

Shi, Yanggu, Gaithersburg,

MD, UNITED STATES

LaFleur, David W.,
 Washington, DC, UNITED STATES
 Ebner, Reinhard,
 Gaithersburg, MD, UNITED STATES
 Olsen, Henrik, Gaithersburg,
 MD, UNITED STATES
 Brewer, Laurie A., St. Paul,
 MN, UNITED STATES
 Florence, Kimberly A.,
 Rockville, MD, UNITED STATES
 Young, Paul, Gaithersburg,
 MD, UNITED STATES
 Mucenski, Michael,
 Cincinnati, OH, UNITED STATES
 Endress, Gregory A.,
 Florence, MA, UNITED STATES
 Soppet, Daniel R.,
 Centreville, VA, UNITED STATES
 PATENT ASSIGNEE(S): Human Genome
 Sciences, Inc., Rockville, MD (U.S.
 corporation)

DATE	NUMBER	KIND

PATENT INFORMATION: US		
	2003017500	A1 20030123
APPLICATION INFO.: US 2001-984276		
	A1	20011029 (9)
RELATED APPLN. INFO.: Division of Ser.		
No. US 2000-482273, filed on 13 Jan		
		2000, PENDING
Continuation-in-part of Ser. No. WO		
		1999-US15849, filed on 14
Jul 1999, UNKNOWN		

	NUMBER	DATE

PRIORITY INFORMATION: US 1998-		
	92921P	19980715 (60)
		US 1998-92922P
	19980715 (60)	
		US 1998-92956P
	19980715 (60)	
DOCUMENT TYPE: Utility		
FILE SEGMENT: APPLICATION		
LEGAL REPRESENTATIVE: HUMAN		
GENOME SCIENCES INC, 9410 KEY		
WEST AVENUE,		
		ROCKVILLE, MD, 20850
NUMBER OF CLAIMS: 74		
EXEMPLARY CLAIM: 1		
NUMBER OF DRAWINGS: 3 Drawing		
Page(s)		
LINE COUNT: 25053		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 25 OF 29 USPATFULL on
 STN
 ACCESSION NUMBER: 2003:74478
 USPATFULL
 TITLE: Secreted protein
 HT5GJ57
 INVENTOR(S): Ruben, Steven M.,
 Olney, MD, United States
 Komatsoulis, George, Silver
 Spring, MD, United States
 Duan, Roxanne D.,
 Bethesda, MD, United States
 Rosen, Craig A., Laytonsville,
 MD, United States
 Moore, Paul A.,
 Germantown, MD, United States
 Shi, Yanggu, Gaithersburg,
 MD, United States
 LaFleur, David W.,
 Washington, DC, United States
 Ebner, Reinhard,
 Gaithersburg, MD, United States
 Olsen, Henrik, Gaithersburg,
 MD, United States
 Brewer, Laurie A., St. Paul,
 MN, United States
 Florence, Kimberly A.,
 Rockville, MD, United States
 Young, Paul, Gaithersburg,
 MD, United States
 Mucenski, Michael,
 Cincinnati, OH, United States
 Endress, Gregory A.,
 Potomac, MD, United States
 Soppet, Daniel R.,
 Centreville, VA, United States

PATENT ASSIGNEE(S): Human Genome
Sciences, Inc., Rockville, MD, United
States (U.S. corporation)

DATE	NUMBER	KIND
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PATENT INFORMATION:	US 6534631	
B1	20030318	
APPLICATION INFO.:	US 2000-482273	
20000113 (9)		
RELATED APPLN. INFO.:	Continuation-in-	
part of Ser. No. WO 1999-US15849, filed		
on 14 Jul 1999		

NUMBER	DATE
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PRIORITY INFORMATION:	US 1998-
92956P	19980715 (60)
	US 1998-92922P
19980715 (60)	
	US 1998-92921P
19980715 (60)	

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Borin, Michael
ASSISTANT EXAMINER: Zhou, Shubo
(Joe)

LEGAL REPRESENTATIVE: Human
Genome Sciences, Inc.
NUMBER OF CLAIMS: 12
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 3 Drawing
Figure(s); 3 Drawing Page(s)
LINE COUNT: 23784

CAS INDEXING IS AVAILABLE FOR THIS
PATENT.

AB The present invention relates to novel
human secreted proteins and
isolated nucleic acids containing the
coding regions of the genes
encoding such proteins. Also provided
are vectors, host cells,
antibodies, and recombinant methods
for producing human secreted
proteins. The invention further relates to
diagnostic and therapeutic
methods useful for diagnosing and
treating diseases, disorders, and/or
conditions related to these novel human
secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS
PATENT.

L4 ANSWER 26 OF 29 USPATFULL on
STN

ACCESSION NUMBER: 2002:329844
USPATFULL

TITLE: 8099, 46455, 54414,
53763, 67076, 67102, 44181,
67084FL, and 67084 alt,
human proteins and methods of
use thereof

INVENTOR(S): Curtis, Rory A.J.,
Southborough, MA, UNITED STATES
PATENT ASSIGNEE(S): Millennium
Pharmaceuticals, Inc., Cambridge, MA,
UNITED

STATES, 02139 (U.S.
corporation)

DATE	NUMBER	KIND
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PATENT INFORMATION:	US
2002187524	A1 20021212
APPLICATION INFO.:	US 2001-24623
A1 20011217 (10)	

NUMBER	DATE
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PRIORITY INFORMATION:	US 2000-
256240P	20001215 (60)
	US 2000-256588P
20001218 (60)	
	US 2000-258028P
20001221 (60)	

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: LAHIVE &
COCKFIELD, 28 STATE STREET,
BOSTON, MA, 02109

NUMBER OF CLAIMS: 26
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 79 Drawing
Page(s)

LINE COUNT: 13956
CAS INDEXING IS AVAILABLE FOR THIS
PATENT.

AB The invention provides isolated
nucleic acids molecules, designated
8099, 46455, 54414, 53763, 67076,
67102, 44181, 67084FL, or 67084alt
nucleic acid molecules, which encode
novel transporter family molecules.

The invention also provides antisense
nucleic acid molecules,
recombinant expression vectors
containing 8099, 46455, 54414, 53763,

67076, 67102, 44181, 67084FL, or 67084alt nucleic acid molecules, host cells into which the expression vectors have been introduced, and nonhuman transgenic animals in which a 8099, 46455, 54414, 53763, 67076, 67102, 44181, 67084FL, or 67084alt gene has been introduced or disrupted. The invention still further provides isolated 8099, 46455, 54414, 53763, 67076, 67102, 44181, 67084FL, or 67084alt polypeptides, fusion polypeptides, antigenic peptides and anti-8099, 46455, 54414, 53763, 67076, 67102, 44181, 67084FL, or 67084alt antibodies. Diagnostic methods utilizing compositions of the invention are also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 27 OF 29 USPATFULL on STN
ACCESSION NUMBER: 2002:133468 USPATFULL
TITLE: 32 human secreted proteins
INVENTOR(S): Ni, Jian, Germantown, MD, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Birse, Charles E., North Potomac, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Fiscella, Michele, Bethesda, MD, UNITED STATES
Komatsoulis, George A., Silver Spring, MD, UNITED STATES
LaFleur, David W., Washington, DC, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES

Wei, Ping, Brookeville, MD, UNITED STATES
Florence, Kimberly A., Rockville, MD, UNITED STATES

DATE	NUMBER	KIND

PATENT INFORMATION: US		
2002068319	A1	20020606
	US 6605592	B2
20030812		
APPLICATION INFO.: US 2001-800729		
A1	20010308	(9)
RELATED APPLN. INFO.: Continuation-in-		
part of Ser. No. WO 2000-US26013, filed		
on 22 Sep 2000, UNKNOWN		

NUMBER	DATE

PRIORITY INFORMATION: US 1999-	
155709P 19990924 (60)	
DOCUMENT TYPE: Utility	
FILE SEGMENT: APPLICATION	
LEGAL REPRESENTATIVE: HUMAN	
GENOME SCIENCES INC, 9410 KEY	
WEST AVENUE,	
ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	23
EXEMPLARY CLAIM:	1
NUMBER OF DRAWINGS:	22 Drawing
Page(s)	
LINE COUNT:	36956
CAS INDEXING IS AVAILABLE FOR THIS	
PATENT.	
AB The present invention relates to novel	
human secreted proteins and	
isolated nucleic acids containing the	
coding regions of the genes	
encoding such proteins. Also provided	
are vectors, host cells,	
antibodies, and recombinant methods	
for producing human secreted	
proteins. The invention further relates to	
diagnostic and therapeutic	
methods useful for diagnosing and	
treating diseases, disorders, and/or	
conditions related to these novel human	
secreted proteins.	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 28 OF 29 USPATFULL on STN

ACCESSION NUMBER: 2002:19393
USPATFULL
TITLE: Secreted protein
HLHFP03
INVENTOR(S): Rosen, Craig A.,
Laytonville, MD, United States
Ruben, Steven M., Olney,
MD, United States
Olsen, Henrik S.,
Gaithersburg, MD, United States
Ebner, Reinhard,
Gaithersburg, MD, United States
PATENT ASSIGNEE(S): Human Genome
Sciences, Inc., Rockville, MD, United
States (U.S. corporation)

DATE	NUMBER	KIND
PATENT INFORMATION: US 6342581 B1 20020129		
APPLICATION INFO.: US 1999-227357 19990108 (9)		
RELATED APPLN. INFO.: Continuation-in- part of Ser. No. WO 1998-US13684, filed on 7 Jul 1998		

NUMBER	DATE
PRIORITY INFORMATION: US 1997- 58785P 19970912 (60)	
19970912 (60)	US 1997-58664P
19970912 (60)	US 1997-58660P
19970912 (60)	US 1997-58661P
19970912 (60)	US 1997-55722P
19970818 (60)	US 1997-55723P
19970818 (60)	US 1997-55948P
19970818 (60)	US 1997-55949P
19970818 (60)	US 1997-55953P
19970818 (60)	US 1997-55950P
19970818 (60)	US 1997-55947P
19970818 (60)	US 1997-55964P
19970818 (60)	US 1997-56360P
19970818 (60)	

US 1997-55684P
19970818 (60)
US 1997-55984P
19970818 (60)
US 1997-55954P
19970818 (60)
US 1997-51926P
19970708 (60)
US 1997-52793P
19970708 (60)
US 1997-51925P
19970708 (60)
US 1997-51929P
19970708 (60)
US 1997-52803P
19970708 (60)
US 1997-52732P
19970708 (60)
US 1997-51931P
19970708 (60)
US 1997-51932P
19970708 (60)
US 1997-51916P
19970708 (60)
US 1997-51930P
19970708 (60)
US 1997-51918P
19970708 (60)
US 1997-51920P
19970708 (60)
US 1997-52733P
19970708 (60)
US 1997-52795P
19970708 (60)
US 1997-51919P
19970708 (60)
US 1997-51928P
19970708 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Myers, Carla J.
ASSISTANT EXAMINER: Spiegler, Alexander H.
LEGAL REPRESENTATIVE: Human Genome Sciences, Inc.
NUMBER OF CLAIMS: 46
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)
LINE COUNT: 18742
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes

encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 29 OF 29 USPATFULL on STN

ACCESSION NUMBER: 2000:153822
USPATFULL

TITLE: Glial mitogenic factors, their preparation and use

INVENTOR(S): Goodearl, Andrew, Chorleywood, United Kingdom

Stroobant, Paul, London, United Kingdom

Minghetti, Luisa, Bagnacavallo, Italy

Waterfield, Michael, Newbury, United Kingdom

Marchioni, Mark, Arlington, MA, United States

Chen, Mario Su, Arlington, MA, United States

Hiles, Ian, London, United Kingdom

PATENT ASSIGNEE(S): Cambridge NeuroScience, Inc., Cambridge, MA, United States (U.S. corporation)

Ludwig Institute for Cancer Research, New York, NY, United States (U.S. corporation)

corporate)

DATE NUMBER KIND

PATENT INFORMATION: US 6147190
20001114

APPLICATION INFO.: US 1995-470335
19950606 (8)

RELATED APPLN. INFO.: Division of Ser.
No. US 1993-36555, filed on 24 Mar

1993, now patented, Pat. No.
US 5530109, issued on 25

Jun 1996 which is a
continuation-in-part of Ser. No. US

1992-965173, filed on 23 Oct
1992, now abandoned which

is a continuation-in-part of
Ser. No. US 1992-940389,
filed on 3 Sep 1992, now
abandoned which is a
continuation-in-part of Ser.
No. US 1992-907138, filed
on 30 Jun 1992, now
abandoned which is a
continuation-in-part of Ser.
No. US 1992-863703, filed
on 3 Apr 1992, now
abandoned

NUMBER DATE

PRIORITY INFORMATION: GB 1991-7566
19910410

DOCUMENT TYPE: Utility

FILE SEGMENT: Granted

PRIMARY EXAMINER: Huff, Sheela

LEGAL REPRESENTATIVE: Clark &
Elbing, LLP, Bieker-Brady, Kristina

NUMBER OF CLAIMS: 22

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 90 Drawing
Figure(s); 78 Drawing Page(s)

LINE COUNT: 8354

CAS INDEXING IS AVAILABLE FOR THIS
PATENT.

AB Disclosed is the characterization and
purification of DNA encoding a
numerous polypeptides useful for the
stimulation of glial cell
(particularly, Schwann cell) mitogenesis
and treating glial cell tumors.

Also disclosed are DNA sequences
encoding novel polypeptides which may
have use in stimulating glial cell
mitogenesis and treating glial cell
tumors. Methods for the synthesis,
purification and testing of both
known and novel polypeptides for their
use as both therapeutic and
diagnostic aids in the treatment of
diseases involving glial cells are
also provided. Methods are also
provided for the use of these
polypeptides for the preparation of
antibody probes useful for both
diagnostic and therapeutic use in
diseases involving glial cells.

CAS INDEXING IS AVAILABLE FOR THIS
PATENT.